STCW Table A-III/1 Guidelines for Assessment

Specification of minimum standard of competence

Officers in Charge of an Engineering Watch in a Manned Engine-room or Designated Duty Engineers in a Periodically Unmanned Engine-room

Function: Electrical, electronic and control engineering at the operational level

Competence	Knowledge, understanding and proficiency	Performance Condition(s)	Performance Behavior	Performance Criteria
Operate alternators, generators and control systems	Preparing, starting, coupling and changing over alternators or generators	Aboard ship in port or underway or in an approved simulator, given access to generator and proper tools,	The candidate will plan and manually start the emergency generator, describing actions as they are being performed.	(1) Plan reflects proper sequence of actions, is complete, and conforms to the requirements of manufacturer's instructions and ship's procedures; (2) Start up of the emergency generator is successful and conducted according to plan; (3) Actions taken are correctly and completely described; (4) Required steps taken are verified by assessor utilizing sample checklist as a guide; (5) No safety violations are observed.
		Aboard ship or in an approved simulator given access to proper equipment and manufacturer's technical manual,	The candidate will plan, and conduct a pre-start-up inspection of a diesel ship service generator, describing actions as they are being performed. NOTE: By **NOT** specifying the generator it already has been misconstrued that any	(1) Plan reflects proper sequence of actions, is complete, and conforms to the requirements of manufacturer's instructions and ship's procedures; (2) Pre- start up inspection of the prime mover and alternator is successful and

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Competence	Knowledge, understanding and proficiency	Performance Condition(s)	Performance Behavior	Performance Criteria
			diesel generator would be satisfactory, i.e. emergency DG.	conducted according to plan; (3) Actions taken are correctly and completely described; (4) Required steps taken are verified by assessor utilizing sample checklist as a guide; (5) No safety violations are observed.
		Aboard ship or in an approved simulator given access to proper equipment and manufacturer's technical manual,	The candidate will plan and conduct a pre-start-up inspection of steam turbo-generator describing actions as they are being performed.	(1) Plan reflects proper sequence of actions, is complete, and conforms to the requirements of manufacturer's instructions and ship's procedures; (2) Pre- start up inspection of the steam turbo-generator is successful and conducted according to plan; (3) Actions taken are correctly and completely described; (4) Required steps taken are verified by assessor utilizing sample checklist as a guide;

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Competence	Knowledge, understanding and proficiency	Performance Condition(s)	Performance Behavior	Performance Criteria
				(5) No safety violations are observed.
		Aboard a dead ship while in port or underway or in simulator, given access to generator and proper tools, approved instruction, and safe working environment,	The candidate will plan, start and connect ship service diesel generator to main switchboard, describing actions as they are being performed.	(1) Plan reflects proper sequence of actions, is complete, and conforms to the requirements of manufacturer's instructions and ship's procedures; (2) Start up of the ship's service diesel generator is successful and conducted according to plan; (3) Connections of the ship's service diesel generator to the main switchboard is successful and conducted according to plan; (4) Actions taken are correctly and completely described; (5) Required steps taken are verified by assessor utilizing sample checklist as a guide; (6) No safety violations are observed.

Function: Electrical, electronic and control engineering at the operational level

Competence	Knowledge, understanding and proficiency	Performance Condition(s)	Performance Behavior	Performance Criteria
		Aboard ship or in an approved simulator given access to proper equipment and manufacturer technical manual,	The candidate will plan and parallel in-coming unit with operating unit, describing actions as they are being performed. NOTE: Appears to be redundant with the prior assessed task above or was this to have been for a ship's service turbo generator?	(1) Plan reflects proper sequence of actions, is complete, and conforms to the requirements of manufacturer's instructions and ship's procedures; (2) Parallel of the on-coming unit with operating unit is successful and conducted according to plan; (3) Actions taken are correctly and completely described; (4) Required steps taken are verified by assessor utilizing sample checklist as a guide; (5) No safety violations are observed.